Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of the Claims:

1-10 **(Cancelled)**

11. **(Currently Amended)** A procedure according to claim 26~~23~~, wherein the average diameter is from 50 to 100 nm.

12. **(Currently Amended)** A procedure according to claim 26~~23~~, wherein crystal nuclei in an amount of 0.5 to 2 % w/w relative to the precipitated boehmite and/or pseudo-boehmite ~~alumina hydrates~~ and computed as Al_2O_3 are used for precipitation.

13. **(Currently Amended)** A procedure according to claim 26~~23~~, wherein the crystal nuclei are present in an aqueous, acidic solution and at least one basic aluminum salts and at least one acidic aluminum salts are jointly added.

14. **(Cancelled)**

15. **(Currently Amended)** A procedure according to claim 26~~23~~, characterized in that alkali aluminates, alkaline earth aluminates or aluminum hydroxy salts are used as the basic aluminum salts.

16. **(Currently Amended)** A procedure according to claim 2623, characterized in that aluminum sulfate, aluminum nitrate, aluminum chloride or aluminum formate are used as the acidic aluminum salts.

17. **(Currently Amended)** A procedure according to claim 2623, characterized in that the bulk of the ~~alumina hydrate~~ boehmite and/or pseudo-boehmite is precipitated at a pH value of 5 to 9.

18. (**Original**) A procedure according to claim 17 wherein the pH value is from 6 to 8.

19-21. **(Cancelled)**

22. **(Currently Amended)** A procedure according to ~~C~~claim 2625, wherein the crystal nuclei are prepared in an aqueous, acidic solution and at least one basic aluminum salts and at least one acidic aluminum salts are jointly added.

23-25. **(Canceled)**

26. **(New)** A procedure for manufacturing boehmite and/or pseudo-boehmite comprising:

precipitating a precipitant selected from the group consisting of basic aluminum salts, acidic aluminum salts and mixtures thereof, from an aqueous medium containing crystal nuclei of alumina

hydrates and forming precipitated boehmite and/or pseudo-boehmite, said nuclei being present in an amount of 0.1 to 5 % w/w of said precipitated boehmite and/or pseudo-boehmite calculated as Al_2O_3, said crystal nuclei having an average diameter of 20 to 150 nm.

27. **(New)** A procedure for manufacturing boehmite and/or pseudo-boehmite comprising:

precipitating a precipitant selected from the group consisting of basic aluminum salts, acidic aluminum salts and mixtures thereof, from an aqueous medium containing crystal nuclei of alumina hydrates, organic polymers/oligomers which form lattices in said aqueous medium and mixtures thereof, and forming precipitated boehmite and/or pseudo-boehmite, wherein

- the nuclei of alumina hydrates have an average diameter of 20 to 150 nm,
- said organic polymers/oligomers have an average diameter of 12 to 250 nm, and
- the nuclei and/or polymers/oligomers are present in an amount of 0.1 to 5% w/w of the precipitated boehmite and/or pseudo-boehmite, calculated as Al_2O_3,.

28. **(New)** A procedure for manufacturing boehmite and/or pseudo boehmite comprising:

precipitating a precipitant selected from the group consisting of basic aluminum salts, acidic aluminum salts and mixtures thereof, from an aqueous medium containing organic polymers/oligomers which form lattices in said aqueous medium, and forming precipitated boehmite and/or pseudo-boehmite, said nuclei being present in an amount of 0.1 to 5% w/w of the precipitated boehmite and/or pseudo-boehmite, calculated as Al_2O_3, said polymers/oligomers having an average diameter of 12 to 250 nm and being selected from the group consisting of polyacrylic acids,

polymethacrylic acids, polyacrylates, polystyrenes, polyvinylacetates, polyvinylversalates, their co-polymers and mixtures thereof.

29. **(New)** The procedure of any one of claims 26 or 27, wherein said crystal nuclei are selected from the group consisting of boehmite, pseudo-boehmite and mixtures thereof.